

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

1. (Currently Amended) A duplex strainer for straining a fluid comprising:
 - a housing having an inlet port through which material enters the housing and an outlet port through which strained material leaves the housing;
 - a first strainer chamber for straining said fluid having first and second ports in separate fluid communication with the housing;
 - a second strainer chamber for straining said fluid having a third port opposing said first port and a fourth port which opposes said second port in separate fluid communication with said housing;
 - a first valve chamber ~~disposed within~~ defined by the housing between said first port and said third port, said first chamber in communication with said inlet port;
 - a second valve chamber ~~disposed within~~ defined by the housing between said second port and said fourth port, said second chamber in communication with said outlet port;
 - a first three-way ball valve for controlling the flow of fluid between said housing, first port and third port, said first three-way ball disposed in said first valve chamber;
 - a second three-way ball valve for controlling the flow of fluid between said second port and said fourth port; said second three-way ball disposed in said second valve chamber; and
 - a coupling for coupling said first three-way ball valve to said second three-way ball valve, said coupling causing said first three-way ball valve and said second three-way ball valve to move in unison, causing fluid to flow either entirely through said first strainer chamber,

entirely through said second strainer chamber, or through both said first strainer chamber and said second strainer chamber simultaneously, wherein said housing further comprises a divider disposed between said first three-way ball valve and said second three-way ball valve to form said first valve chamber within said housing and said second valve chamber within said housing, said first and third ports communicating solely with said first valve chamber, and said second and fourth ports communicating solely with said second valve chamber, wherein said first strainer chamber is formed unitarily with said housing and said second strainer chamber is detachably mounted to said housing.

2-3. (Canceled).

4. (Currently Amended) A duplex strainer for straining a fluid comprising:

a housing having an inlet port through which material enters the housing and an outlet port through which strained material leaves the housing;

a first strainer chamber for straining said fluid having first and second ports in separate fluid communication with the housing;

a second strainer chamber for straining said fluid having a third port opposing said first port and a fourth port which opposes said second port in separate fluid communication with said housing;

a first chamber ~~disposed within~~ defined by the housing between said first port and said third port, said first chamber in communication with said inlet port;

a second chamber ~~disposed within~~ defined by the housing between said second port and said fourth port, said second chamber in communication with said outlet port;

a valve control for controlling the flow of fluid within said housing and between said first port, second port, third port and fourth port, said valve control including a first three-way valve for controlling the flow of fluid between said housing, first port and third port wherein the first three-way valve is disposed in said first chamber, and a second three-way valve for controlling the flow of fluid between said second port and said fourth port, said second three-way ball disposed in said second chamber; and

a coupling for coupling said first three-way valve to said second three-way valve, said coupling causing said first three-way valve and said second three-way valve to move in unison, causing fluid to flow either entirely through said first strainer chamber, entirely through said second strainer chamber, or through both said first strainer chamber and said second chamber simultaneously, said coupling including a first notch formed within said first three-way valve, and a second notch formed within said second three-way valve, and a shaft, said shaft including a first flange and a second flange, said first flange being received within said first notch and said second flange being received within said second notch.

5. (Previously Presented) A duplex strainer for straining a fluid comprising:

a housing having an inlet port through which material enters the housing and an outlet port through which strained material leaves the housing;

a first strainer chamber for straining said fluid having first and second ports in separate fluid communication with the housing, said first strainer chamber being formed unitarily with said housing;

a second strainer chamber for straining said fluid having a third port opposing said first port and a fourth port which opposes said second port in separate fluid communication with said housing, said second strainer chamber being detachably mounted to said housing;

a valve control for controlling the flow of fluid within said housing and between said first port, second port, third port and fourth port, said valve control including a first three-way valve for controlling the flow of fluid between said housing, first port and third port, and a second three-way valve for controlling the flow of fluid between said second port and said fourth port;

a coupling for coupling said first three-way valve to said second three-way valve, said coupling causing said first three-way valve and said second three-way valve to move in unison, causing fluid to flow either entirely through said first strainer chamber, entirely through said second strainer chamber, or through both said first strainer chamber and said second chamber simultaneously; and

a divider disposed within said housing forming an upper chamber within said housing and lower chamber within said housing, said coupling means including a first notch formed within said first three-way valve and a second notch formed within said second three-way valve, and a shaft, said shaft including a first flange and a second flange, said first flange being received within said first notch and said second flange being received in said second notch, said shaft extending through said divider.

6. (Previously Presented) A duplex strainer for straining a fluid comprising:

a housing having an inlet port through which material enters the housing and an outlet port through which strained material leaves the housing;

a first strainer chamber for straining said fluid having first and second ports in separate fluid communication with the housing, said first strainer chamber being formed unitarily with said housing;

a second strainer chamber for straining said fluid having a third port opposing said first port and a fourth port which opposes said second port in separate fluid communication with said housing, said second strainer chamber being detachably mounted to said housing;

a valve control for controlling the flow of fluid within said housing and between said first port, second port, third port and fourth port, said valve control including a first three-way ball valve for controlling the flow of fluid between said housing, first port and third port, and a second three-way ball valve for controlling the flow of fluid between said second port and said fourth port;

a divider disposed within said housing between said first three-way ball valve and said second three-way ball valve forming an upper chamber within said housing and a lower chamber within said housing, said first and third ports communicating solely with said upper chamber and said second and fourth ports communicating only with said lower chamber; and

a coupling for coupling said first three-way ball valve to said second three-way ball valve, said coupling causing said first three-way ball valve and said second three-way ball valve to move in unison, causing fluid to flow either entirely through said first strainer chamber, entirely through said second strainer chamber, or through both said first strainer chamber and said second strainer chamber.

7. (New) The duplex strainer of claim 1, wherein said first strainer chamber, said first valve chamber, and said second valve chamber are all formed at least partially unitarily with said housing and said second strainer chamber is detachably mounted from said housing so that said second strainer chamber can be detached from said housing without disconnecting said first and second three way ball valves from said housing, so that said first and second three way ball valves can remain located in said housing when said second strainer chamber is detached.